AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claims 1-25 (cancelled).

Claim 26 (currently amended): ~~Pancreatic islet cells produced *in vitro* without serum according to a method~~A composition comprising ~~introducing~~ a cell culture medium and pancreatic islet cells cultured ~~into a~~ in said cell culture medium *in vitro*, said culture medium comprising 1-150 mg/L arginine; 1-120 mg/L proline; 1-3050 mg/L nicotinamide; 0.1-100 mg/L transferrin chelated with iron; greater than 10^{-11} M insulin or insulin-like growth factors; 10^{-12} M-10^{-3} M glucocorticoid steroid; 1-6000 μg/L zinc salt; 1-250 μg/L manganese salt; 1-1000 μg/L copper salt; 1-150 μg/L selenium salt; 2.0-10.0 mM L-glutamine; 0.01-5.0 g/L D-galactose or 0.01-5.0 g/L D-glucose, or when both D-galactose and D-glucose are included together, 0.01-8.0 g/L~~, and culturing said introduced cells in said medium~~.

Claim 27 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 26 wherein said ~~method further comprises expanding said introduced cells~~pancreatic islet cells are expanded in said medium.

Claim 28 (cancelled).

Claim 29 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 26 ~~wherein said method further comprises culturing said pancreatic islet cells to a less-differentiated state by allowing cell proliferation to occur for sufficient time, and causing said less-differentiated cells to develop the characteristics of the introduced pancreatic islet cells, wherein said developing of pancreatic islet cell characteristics is brought about by a method selected from the group consisting of adding~~further comprising extracellular matrix ~~material and allowing the less-differentiated cells to reach confluence~~.

Claim 30 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 29 wherein said matrix comprises one or more of fibronectin, collagen, laminin, and polylysine.

Claim 31 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 29 wherein said matrix comprises one or more of entactin, laminin and collagen type IV.

Claim 32 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 26 wherein said ~~method further comprises culturing said introduced cells in said medium, and allowing cell~~cells exhibit proliferation and clonal growth~~ to occur by culturing the pancreatic islet cells under appropriate conditions and for a sufficient time in the culture medium to produce said clonal growth~~.

Claims 33-35 (cancelled).

Claim 36 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 26 wherein said culture medium further comprises at least one additional growth factor.

Claim 37 (currently amended): ~~Pancreatic islet cells~~The composition as in claim 36 wherein said additional growth factor is selected from the group consisting of HGF/SF, EGF, and TGFα.

Claims 38-43 (cancelled).